



**Complete flush-mounted flat distribution board, white, 33 SU per row, 6 rows, type C**

**Part no. BF-U-6/198-C**  
**Catalog No. 103099**

## Delivery program

|  |                                      |                 |   |
|--|--------------------------------------|-----------------|---|
| Basic function                                   |                                      |                 | Basic device  |
| Product function                                 |                                      |                 | Installation distribution boards  |
| Product range                                    |                                      |                 | BF flat DBO   |
| Design   |                                      |                 | Hollow wall<br>Flush mounted  |
| Installation site                                |                                      |                 | Indoor  |
| Type of installation                             |                                      |                 | Hollow-wall mounting and flush mounting   |
| Door/Flap  |                                      |                 | White   |
| Degree of Protection                             |                                      |                 | IP30  |
| Colour   |                                      |                 | White   |
| Module rack                                      |                                      |                 | Rail-frame  |
| Shroud for protection against accidental contact |                                      |                 | Metal   |
| Rows   | Count                                |                 | 6   |
| Module units per row                             |                                      |                 | 33  |
| Description                                      |                                      |                 | IP30<br>Protection Class I<br>Steel sheet enclosure white (RAL 9016)  |
| Cable entries                                    |                                      |                 | Cable entries on top and bottom   |
| PE and N terminals design                        |                                      |                 | Screw terminals   |
| PE and N terminals                               | Number<br>x cross-<br>sectional area | mm <sup>2</sup> | PE: 2 x 25 + 58 x 16<br>N: 2 x 25 + 58 x 16   |
| Equipment supplied                               |                                      |                 | Wall trough with door frame<br>Door with three-point turn-lock<br>DIN rail mounting frame<br>Front plates<br>Neutral-/protective conductor terminal |

## Technical data

### General

|   |                |      |  |
|---|----------------|------|--|
| Standards   |                |      | IEC/EN 61439-1, IEC/EN 61439-3, IEC/EN 62208 |
| RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council) |                |      | conform                                      |
| Ambient temperature   |                | °C   | -5 - +40                                     |
| Degree of Protection  |                |      | IP30   |
| Protection class  |                |      | I (earthed)                                  |
| Rated operational voltage   | U <sub>e</sub> | V AC | 415  |
| Rated frequency   | f              | Hz   | 50/60  |

### Material characteristics

|          |  |  |                            |
|----------|--|--|----------------------------|
| Material |  |  | Sheet steel, powder-coated |
| Colour   |  |  | white (RAL 9016)           |

### Material properties

|                   |  |  |      |
|-------------------|--|--|------|
| Mechanical        |  |  |      |
| Impact resistance |  |  | IK07 |

## Design verification as per IEC/EN 61439

|   |                |   |    |
|---|----------------|---|----|
| Technical data for design verification  |                |   |    |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 |                |   |    |
| Individual enclosure, flush mounting  | P <sub>v</sub> | W | 57 |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 |                |   |    |

| Individual enclosure, flush mounting   | P <sub>V</sub> | W | 114  |
|--|----------------|---|--|
| IEC/EN 61439 design verification   |                |   |  |
| 10.2 Strength of materials and parts   |                |   |  |
| 10.2.2 Corrosion resistance  |                |   | Meets the product standard's requirements.   |
| 10.2.3.1 Verification of thermal stability of enclosures   |                |   | Meets the product standard's requirements.   |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat   |                |   | Meets the product standard's requirements.   |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects |                |   | Meets the product standard's requirements.   |
| 10.2.4 Resistance to ultra-violet (UV) radiation   |                |   | Not relevant to indoor installations.  |
| 10.2.5 Lifting   |                |   | Does not apply to enclosures without lifting aids.   |
| 10.2.6 Mechanical impact   |                |   | IK07   |
| 10.2.7 Inscriptions  |                |   | Meets the product standard's requirements.   |
| 10.3 Degree of protection of ASSEMBLIES  |                |   |  |
| IP30   |                |   |  |
| 10.4 Clearances and creepage distances   |                |   | Is the panel builder's responsibility.   |
| 10.5 Protection against electric shock   |                |   | < 0.1 Ω; meets the product standard's requirements.  |
| 10.6 Incorporation of switching devices and components   |                |   | Is the panel builder's responsibility.   |
| 10.7 Internal electrical circuits and connections  |                |   | Is the panel builder's responsibility.   |
| 10.8 Connections for external conductors   |                |   | Is the panel builder's responsibility.   |
| 10.9 Insulation properties   |                |   |  |
| 10.9.2 Power-frequency electric strength   |                |   | U <sub>i</sub> = 415 V AC  |
| 10.9.3 Impulse withstand voltage   |                |   | Does not apply to basic enclosures as defined in EN 62208.   |
| 10.9.4 Testing of enclosures made of insulating material   |                |   | Does not apply to metal enclosures.  |
| 10.10 Temperature rise   |                |   |  |
|  |                |   | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating   |                |   | Is the panel builder's responsibility.   |
| 10.12 Electromagnetic compatibility  |                |   | Is the panel builder's responsibility.   |
| 10.13 Mechanical function  |                |   | Meets the product standard's requirements.   |

## Technical data ETIM 7.0

Distribution boards (EG000023) / Small distribution board (EC000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011])

|                                     |  |    |                         |
|-------------------------------------|--|----|-------------------------|
| Mounting method                     |  |    | Flush mounted (plaster) |
| Number of rows                      |  |    | 6                       |
| Width in number of modular spacings |  |    | 33                      |
| Type of cover                       |  |    | Door                    |
| Cover model                         |  |    | Closed                  |
| Transparent cover/door              |  |    | No                      |
| Material housing                    |  |    | Steel                   |
| Height                              |  | mm | 1070                    |
| Width                               |  | mm | 750                     |
| Depth                               |  | mm | 136                     |
| Built-in depth                      |  | mm | 127                     |
| Internal depth                      |  | mm | 127                     |
| DIN-rail                            |  |    | Yes                     |
| With mounting plate                 |  |    | No                      |
| Extension possible                  |  |    | No                      |
| EMC-version                         |  |    | No                      |
| Colour                              |  |    | White                   |
| RAL-number                          |  |    | 9016                    |
| Degree of protection (IP)           |  |    | IP30                    |
| With lock                           |  |    | No                      |
| Type of closure                     |  |    | Other                   |

